

CLAIMS

1. An interface for a transdermal drug administration device having a flat plate comprising a plurality of two-dimensionally arranged conical or pyramidal projections capable of piercing the skin and a plurality of openings capable of delivering a drug which are respectively arranged in correspondence with the projections, wherein the openings are respectively arranged in proximity to their corresponding projections.
2. The interface for a transdermal drug administration device according to claim 1, wherein channels for directing a drug from the openings to their corresponding projections are provided between the openings and their corresponding projections on the flat plate.
3. The interface for a transdermal drug administration device according to claim 1 or 2, wherein the projections are 100 to 700 μm in height,
4. The interface for a transdermal drug administration device according to any of claims 1 to 3, wherein the lower bases of the projections are 30 to 200 μm in diameter.
5. The interface for a transdermal drug administration device according to any of claims 1 to 4, wherein the openings are 50 to 2000 μm in diameter.
6. The interface for a transdermal drug administration device according to any of claims 1 to 5, wherein the ratio between the number of the openings and the number of the projections is 1:1 to 1:2.

7. The interface for a transdermal drug administration device according to any of claims 1 to 6, wherein the flat plate is made of a metal or ceramics.